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Grip strength enhancement glove AKA "Hercules' Hand "**Abstract**

A hand-exercising device that is a glove within a glove. Embedded within the entirety of a normal or customary leather and/or cotton fiber mixture glove is a flexible metal or other force resistant spring materials glove for insertion of the hand allowing all and equal flexibility of a bare hand.

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Claims

What I claim as my invention is:

1. An apparatus for exercising a hand of a user allowing a full range of motion of the hand during use with apparatus being fully a system of integrated parts for grip and wrist strength enhancement, comprising a tubular integration of corrugated-like hollow, spring materials as in acrylic, Dacron, polyester and/or metal variations shaped exactly and completely in the form of a glove.

2. A method of providing the glove shaped flexible, spring, hollow apparatus to be inserted within the outer glove rendering multiple resistance levels equating to all and various parts of the hand.

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3. A method for allowing 3 separate/different sets of gloves that coordinate toward the exponential increase of strength by the user, i.e., starting Beginner to Veteran to Herculean level.
4. A method of construction where each digit metal insertion has multiple varying degrees of flexibility coordinated with said metal resistance insertions depending on the diameter, circumference and thickness of each hollow, tubular metal finger..
5. A method of providing an apparatus of a hand exerciser in the form of a glove that allows for special variation models to be fitted with individual flexible-spring knuckle round sheaths appropriately fitted over around each individual knuckle within the material of the glove; thus resulting in additional or less strength for user.
6. A method of providing an apparatus of a hand exerciser in the form of a glove that allows for special models to be fitted with a Flex-Cuff which is an adaptable spring-like, metal hoop device sheathed within an elongated wrist section of The Glove.
7. A method allowing the human hand to easily slip into this spring-glove within a glove while offering a determination varying degrees of resistance for every moving part of full hand area inclusive of at least one inch above the wrist area.

Description

BACKGROUND OF INVENTION

[0001] The present invention relates most specifically to an exercising mechanism utilized by the hand and/or digits of said hand in order to increase gripping and/or holding capacity and/or strength from what is the norm of individuals to a strata significantly higher than that norm. The dual primary purposes relate directly to increased abilities in virtually all sports activities and/or athletic competitions as well as providing physical therapy for treatment and rehabilitation for those persons who have injured their hands in those very same sports activities..

[0002] The most common deficiency of many of the known hand strengthening devices primarily utilized in the fields of sport or athletic competition is in the inability to exercise the full range of motion for the whole as well as all separate parts of the hand. There is no device on the sports and/or athletic market today which is, in fact, a total complete hollowed, tubular spring formulated glove within a normally formulated glove..

[0003] Of all sports "field" devices of which we are aware to date, none entails the utilitarian benefit advantages of our currently presented inventive manifestation, the Grip Strength Enhancement Glove AKA "Hercules' Hand". An additional unique adaptation, our inner spring complete sheathed glove can also be worn by itself with no outer covering of materials and/or the outer multiple materials coverings gloves can be utilized by themselves as per normal without the secondary inner glove.

[0004] An example we have found (Brassil, et. al.), does entail an exercise and therapy hand device composed of a glove for inserting the hand. This glove encompasses a palm section, one or more finger sections for receiving a finger, a back section, and a compressible material that is connected to the palm section. However, it does not fall even near our physicality philosophy or benefit advantage, and is not intended to

BRIEF SUMMARY OF THE INVENTION

[0005] The present invention relates specifically to a hand exercising device where the hand is put into a flexible metal and/or other alloy corrugated whole glove that fits inside a secondary glove. This allows the flexibility of either the entire hand or any individual digit in a natural movement through a full range of motion thereby exercising the hand and digits in the most successful, utilitarian method for full potential of strength improvement humanly possible. Only an innovation that is a glove within a glove can guarantee full complete natural movement

[0006] A primary purpose of the present invention is to provide a hand strengthener that is superior to all prior art mechanisms. This innovation is the Grip Strength Enhancement Glove AKA "Hercules' Hand. A synopsis description relates and pertains most closely to that of an actual and normal glove worn on the human hand for any and all purposes that gloves are worn. And, incased within this worn for normal purposes glove is a varied alloy glove which confines the whole hand and at least one inch up and passed the wrist area. The two gloves can be worn together or separately depending on purpose.

DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWINGS

[0007] FIG. 1--Is showing the palm side of a hand. Finger, thumb, and palm metal-stay placement locations, indicated by line-arrows, and for the purpose of showing individual sections. We show how the area spring-stays are discernable due to drawings on each individual finger, the thumb, U-shaped stay between index finger and thumb and palm. These locales are approximately where the "stays" or more resistant parts of the complete glove manifestation would be situated when glove is on hand. When viewed in holistic, complete, formulation, all are enter related to each one and other concluding in a single mechanism.

[0008] FIG. 2--Is full view of top or backside of "Hercules' Hand" Glove. Indications of locations for educational purposes, are given as to placement of flexible spring-like resistant metal-stays encasements sheathed within strong corrugated and/or corrugated-like material of whole "Glove". These indications are identified via writings and drawings/diagrams.

[0009] FIG. 3--A full view of top or backside of "Hercules' Hand" Glove is shown here with indications given as to placement of thin spring-metal blade-like "stay" higher resistant encasements sheathed within the inner complete inner glove material. They are configured and sized as to correlate with appropriate finger and strength necessary to engender strength required to manipulate each "stay" in accordance with each finger/thumb placement.

[0010] FIG. 4--Shows inside/palm side, of whole "Glove" with indication of finger/thumb placement for flexible spring-metal sheathed blade-like "stays" (as in "to stiffen"). The "Flex-Cuff" is an adjustable metal spring-resistant device incased in one varying Glove model allowing full motion by the wearer

[0011] FIG. 5--Is a full top view of three (3) examples of different/varying "hinged-graduated-meshed" aluminum alloyed and ribbed chain-male-like supports of and within glove entirety. The complete glove itself is made of one eighth to one sixteenth width/depth aluminum and/or PVC and/or combination alloy material. This material is graduated, hinged, and formulated in a manner that, again, causes/results in the entire glove being movement resistant to both the opening and closing of the hand.

DETAILED DESCRIPTION OF THE INVENTION

[0012] A comprehensive narrative of the created, developed, and manifested innovational instrumentation relates and pertains generally and specifically to and for a device which fits over the human hand(s) as a glove and has within it a secondary glove integrated with varying alloy materials. Hercules' Hand fits over the hand(s) as a glove because it is a glove consisting five digit encasings (four fingers and a thumb) inclusive of a complete covering of the hand down and at a minimum, past the wrist bone (Scaphoid). In this presenting situation; the exerciser is the glove within the outer glove. The hand slips into the glove as per normal for gloves. This innovation allows the fullest range of motion corresponding completely with whatever the original range of motion of the hand(s) is/was. This presenting glove apparatus manifestation continues allowing the user to flex either the entire hand or any individual digit in a natural movement through a full range of motion.

[0013] The "Hercules' Hand" (HH) can/will come in any number of different sizes in order to fit generally every size of hand within what would be considered a normal range of sizes and it will also come in the one-size-fits-all. The materials of which the outer gloves are made range from thick, corrugated and/or corrugated-like, thermal wool, to a lighter cloth fabric, to acrylic polyester, to leather, with polyester filer of a varying percentage. The inner glove is made of multiple and varying metal and/or other flexible alloy materials being of lesser and stronger resistant types depending on location and need..

[0014] A purpose of the present invention, "*Hercules' Hands*" is to provide a hand exerciser that will augment the strength, coordination and gripping ability for the hand and digits and wrist of the sport and/or athletic competition as well as providing habilitation and rehabilitation physical therapy via potential injury from and/or during that sport or athletic endeavor. The complete glove itself is made of one eighth to one sixteenth width/depth aluminum and/or PVC and/or combination alloy material. This material is gradient, hinged, and formulated in a manner that causes/results in the entire glove being movement resistant to both the opening and closing of the hand and, of course, again...is a glove itself.